

Curriculum vitae

Andreas S. Kronfeld

Birthdate and place: 9 June 1958, Woodland, California

Education: *Cornell University*
Ithaca, New York
Ph. D., theoretical physics, May 1985.
University of Pennsylvania
Philadelphia, Pennsylvania
B.A., physics and mathematics, May 1980.
Westtown School
Westtown, Pennsylvania
high school diploma, June 1976.

Research interests: Lattice quantum chromodynamics, particularly in applications to the phenomenology of the standard model.

Positions held: *Fermi National Accelerator Laboratory*
Batavia, Illinois
Scientist II, July 1999 – present.
Scientist I, October 1993 – June 1999.
Associate Scientist, April 1989 – October 1993.
Postdoctoral associate, September 1988 – March 1989.
Deutsches Elektronen Synchrotron
Hamburg, Germany
Postdoctoral associate, August 1985 – August 1988.

Visiting positions held: *Center for Computational Physics, Tsukuba University*
Tsukuba, Japan
Foreign professor, February – April 2001.
Nordita
Copenhagen, Denmark
Visiting scientist, October – December 1996.

Professional societies: *American Physical Society*, September 1980 – present
(elected Fellow December 2002)
Division of Particles and Fields,
Division of Computational Physics.
American Association for the Advancement of Science, 2003 – present.

- Professional service: *Executive Committee*, APS Division of Particles and Fields, 2007 – 2009.
J.J. Sakurai Prize Selection Committee, American Physical Society 2005 (Vice-Chair), 2006 (Chair).
International Organizing Committee, Worldwide Study of Physics and Detectors for Future Linear e^+e^- Colliders May 2004 – present
Scientific Program Committee, USQCD Collaboration January 2004 – present (Chair, October 2006 – present)
Physics Advisory Committee, Fermilab, June 1996 – June 2000 (Chairman October 1998 – May 1999).
- Conference organization: Program & Local Organizing Committees, *Joint Meeting of the American Linear Collider Physics Group and the ILC Global Design Effort*, Fermilab, October 2007.
International Advisory Committee, *International Workshop on Charm Physics 2007*, Ithaca, New York, August 2007.
Program Committee, Xth *International Linear Collider Workshop LCWS 2007*, Hamburg, Germany, May 2007.
International Advisory Committee, IVth *International Workshop on the CKM Unitarity Triangle*, Nagoya, Japan, December 2006.
Program Committee, XXIVth *International Symposium on Lattice Field Theory*, Tucson, Arizona, June 2006.
Program Committee, IXth *International Linear Collider Workshop LCWS 2006*, Bangalore, India, March 2006.
International Advisory Committee, XXIIIrd *International Symposium on Lattice Field Theory*, Dublin, Ireland, July 2005.
Program Committee, VIIIth *International Linear Collider Workshop LCWS 2005*, Stanford, California, March 2005.
Co-chair, Organizing Committee, XXIInd *International Symposium on Lattice Field Theory*, Fermilab, June 2004.
International Advisory Committee, XXIst *International Symposium on Lattice Field Theory*, Tsukuba, Japan, July 2003.
Organizing Committee, Workshop on the *Future of Higgs Physics*, Fermilab, May 2001.
Organizing Committee, Vth *International Linear Collider Workshop LCWS 2000*, Fermilab, October 2000.
Organizing Committee, *Symposium in Celebration of the Fixed Target Program with the Tevatron*, Fermilab, June 2000.
Organizing Committee, Workshop on *B Physics at the Tevatron: Run II and Beyond*, Fermilab, July 1999 – January 2002.
Editor (with Paul Mackenzie), *Lattice '88*, Proceedings of the 1988 Symposium on Lattice Gauge Theory, published as *Nucl. Phys. B (Proc. Suppl.)* **9**.

Laboratory service:	<p><i>Computational Cosmology Task Force</i>, April – July 2007</p> <p><i>Wilson Fellows Selection Committee</i>, October 2006 – present</p> <p><i>ILC Task Force</i>, June – September 2006</p> <p><i>Academic Lectures Organizing Committee</i>, November 2005 – present</p> <p><i>Scientific Advisory Group</i>, November 2001 – July 2005</p> <p>Co-chair (with Sławomir Tkaczyk), <i>Study of Linear Collider Physics</i>, December 1999 – October 2000</p> <p><i>Fermilab Committee on Scientific Appointments</i>, October 1999 – September 2002</p> <p><i>Director’s Review, E835 (Charmonium)</i>, December 1997.</p> <p><i>Director’s Review, E872 (Donut)</i>, February, October 1997.</p> <p><i>Director’s Review, E791 ($pN \rightarrow \text{charm}$)</i>, February, November 1993.</p>
Seminar organization:	<p><i>Fermilab Theoretical Physics Seminar</i>, September 2005 – present.</p> <p><i>Fermilab Colloquium Committee</i>, September 1996 – August 2005 (Chairman 1998 – 2000).</p> <p><i>Fermilab Theoretical Physics Seminar</i>, September 1989 – March 1993.</p>
Ph. D. supervision:	<p><i>Bartholomeus P. G. Mertens</i> (University of Chicago), May 1997, “One-loop renormalization of massive lattice fermions”</p>
Teaching experience:	<p><i>INT Summer School on Lattice QCD and its Applications</i>, University of Washington, August 2007.</p> <p><i>British Universities’ Summer School in Elementary Particle Physics</i>, Plymouth University, September 2004.</p> <p><i>International School on CP Violation</i>, Prerow, Germany, September 2003.</p> <p><i>British Universities’ Summer School in Elementary Particle Physics</i>, Queen Mary London University, September 2003.</p> <p><i>Mini-course on Heavy Quark Physics</i>, Tsukuba University, March 2001.</p> <p><i>School and Workshop on Lattice QCD</i>, Nordita, August 1995.</p> <p><i>Saturday Morning Physics</i>, Fermilab, September 1994 – May 1999.</p> <p><i>Perspectives in the standard model</i>, TASI, June 1992.</p> <p><i>Teaching assistant</i>, Cornell University, seven semesters.</p>